

# Robot

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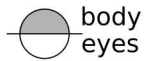
Diagram (version 2.3): Stéphane Gérard

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Proofreading and corrections: Virgile Andreani

@ fosstodon.org/@Armavica

Duo paper 30x30 cm (12x12 in)

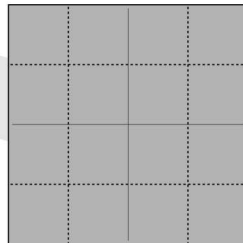


**1**



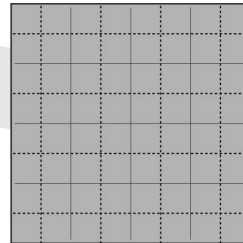
Precrease a 16x16 grid.

**2**

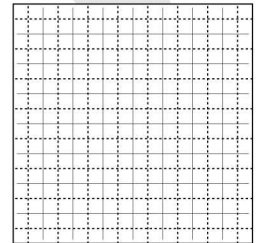


Use whichever method you like.

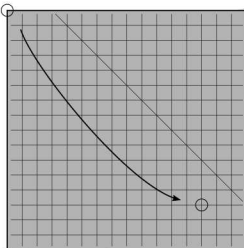
**3**



**4**

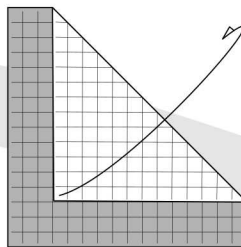


**7**



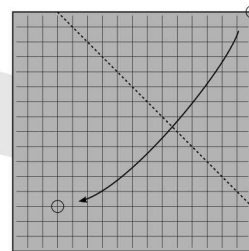
Repeat steps 5-6 on the left.

**6**

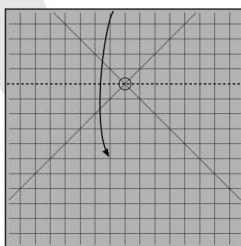


Like this. Then, unfold.

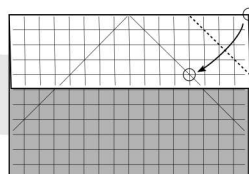
**5**



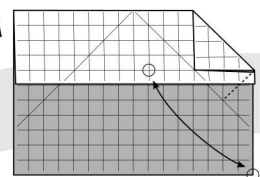
**8**



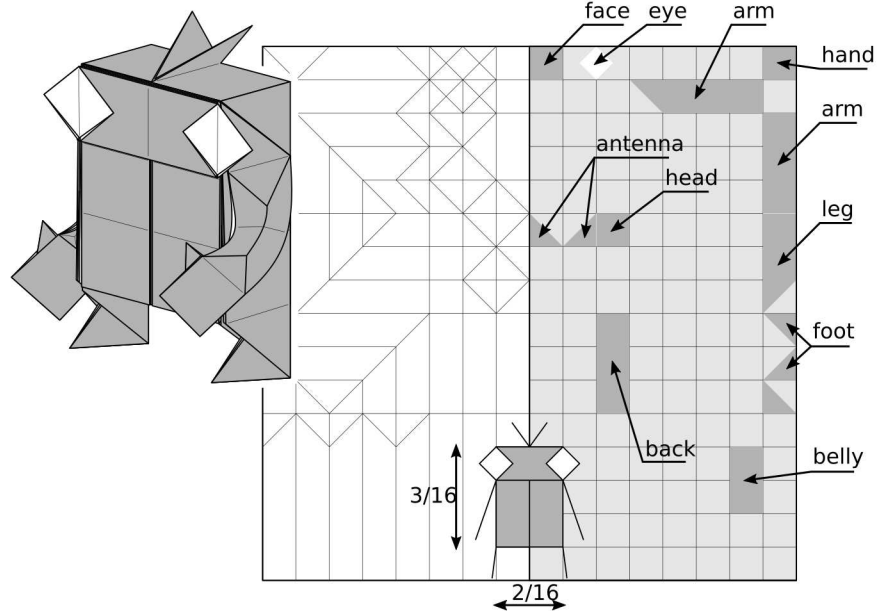
**9**



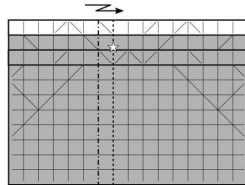
9-10 **10**



Repeat 9-10 on the left, then unfold everything.

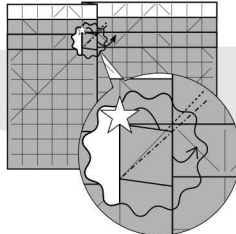


**19**



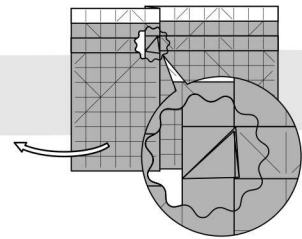
Pleat-fold.

**20**



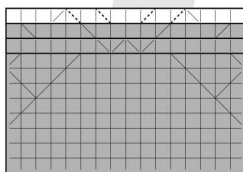
Inside reverse-fold  
the hidden flap.

**21**



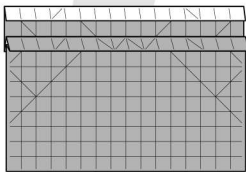
Unfold to 19.

**18**



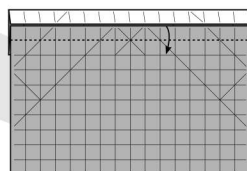
Now, everything is  
flatenned. Add  
valley folds.

**17**



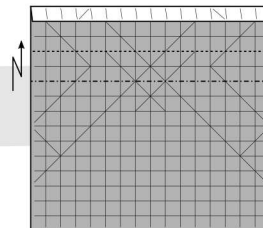
Like this.

**16**



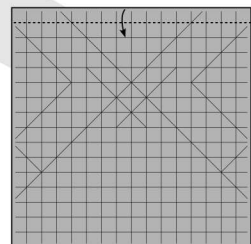
Fold down the top  
flap.

**15**

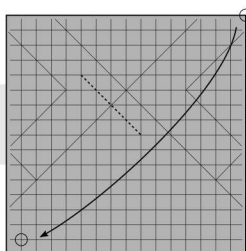


Pleat-fold.

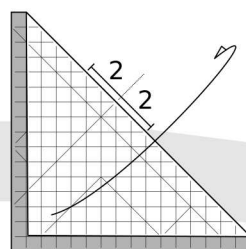
**14**



**11**



**12**

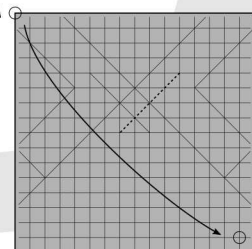


Crease only where  
shown. Unfold.

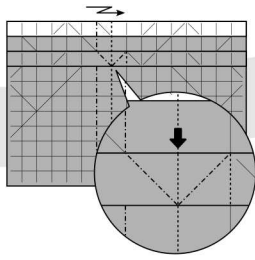


11-12

**13**

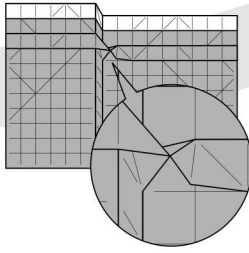


**22**



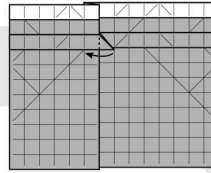
Pleat again, this time pushing the edge in.

**23**



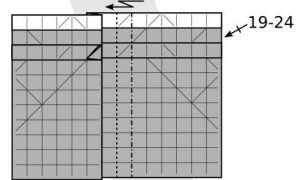
In progress.

**24**



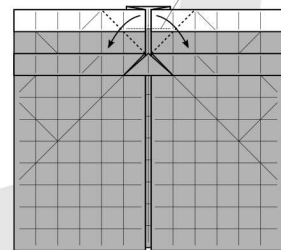
Fold the point to the left.

**25**



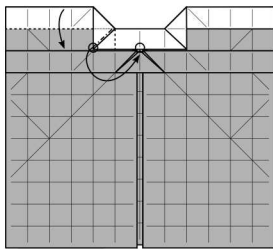
Repeat 19-24 on the right.

**26**



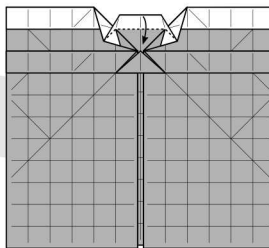
Fold the corners down and squash the rear flap.

**28**



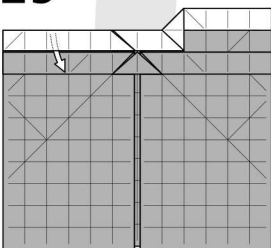
Swivel-fold.

**27**



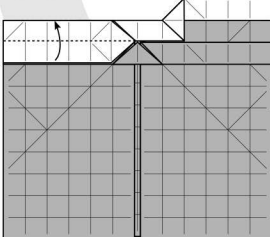
In progress.

**29**



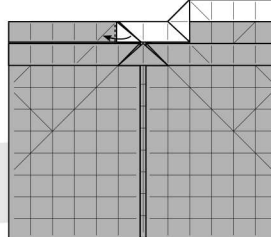
Unsink one layer.

**30**



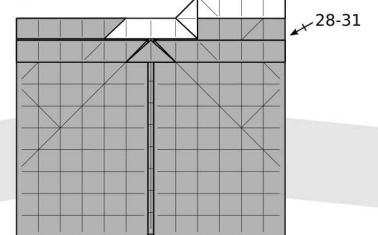
Fold up.

**31**



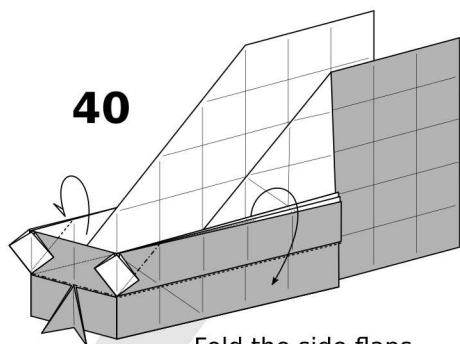
Fold the point to the left.

**32**



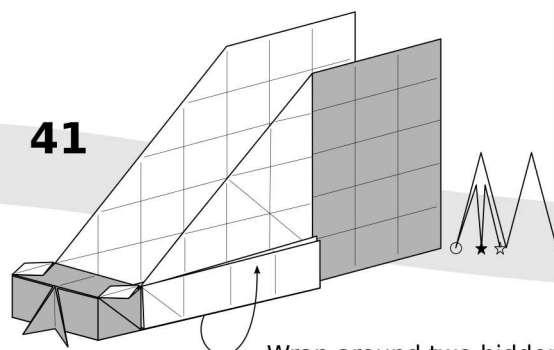
Repeat 28-31 on the right.

**40**



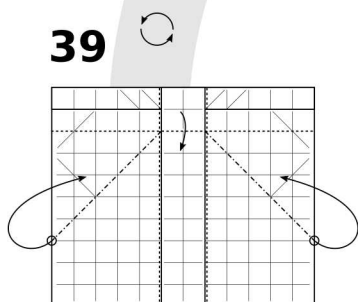
Fold the side flaps down.

**41**



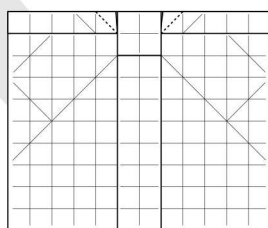
Wrap around two hidden flaps and make a colour change.  
Look at the simplified view on the right.

**39**



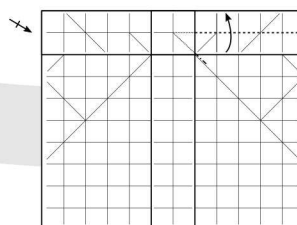
Raise the flaps up.  
From now on, the model is in 3D!

**38**



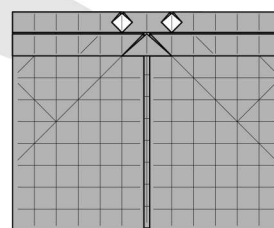
Add valley folds through all layers.

**37**

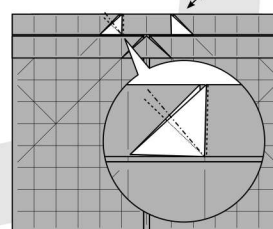


Fold the flap up. Repeat on the left.

**36**

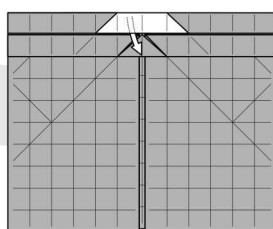


**35**



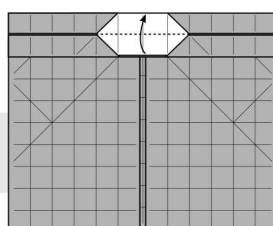
Squash-folds on both points.

**33**

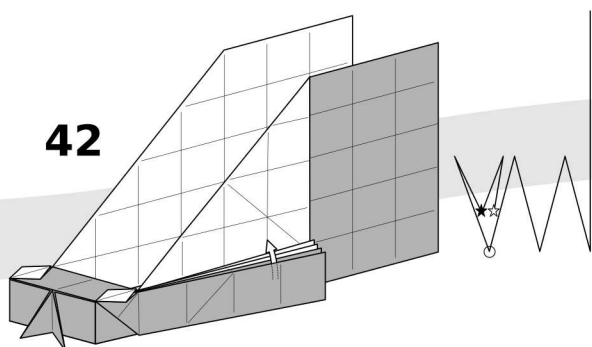


Unsink one layer.

**34**

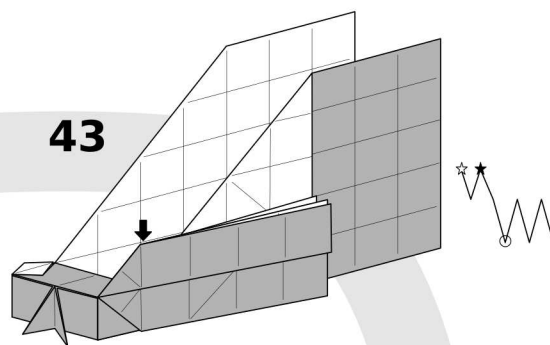


Fold up.



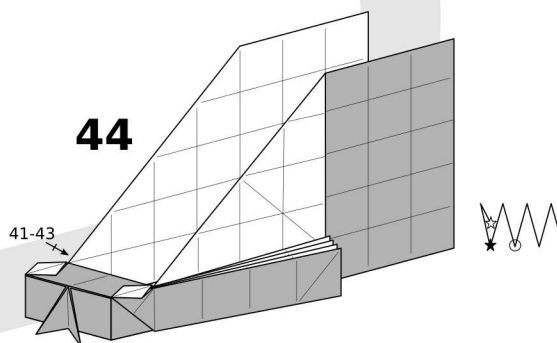
**42**

Pull out one flap (second from the front).



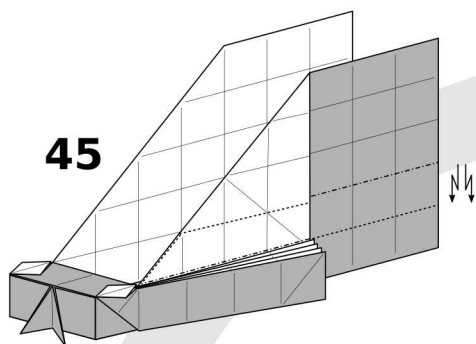
**43**

Closed-sink.



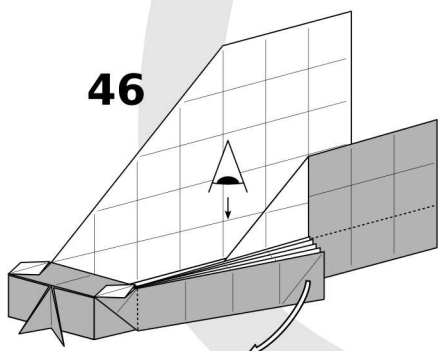
**44**

Repeat steps 41-43 on the other side.



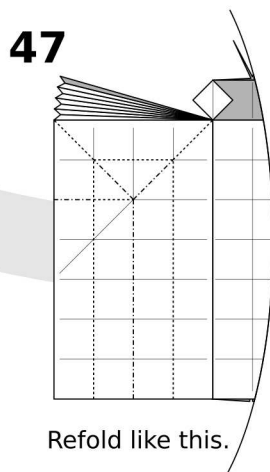
**45**

Reverse-fold in & out.



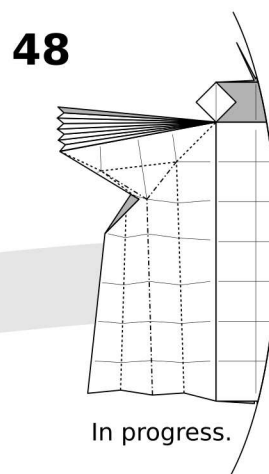
**46**

Partially open the layers. Next step will be viewed from the top.



**47**

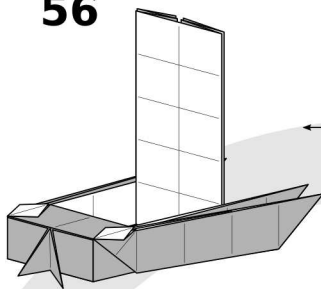
Refold like this.



**48**

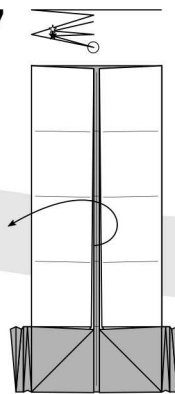
In progress.

56



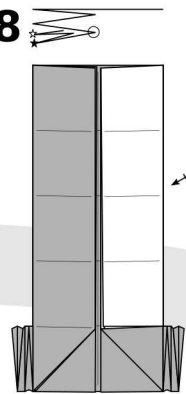
Next step will be viewed from under.

57



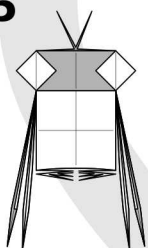
Wrap the flap around to make a color change. Check the simplified view on top.

58

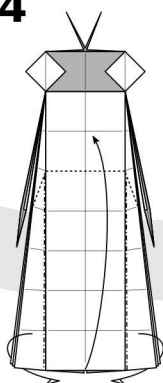


Repeat step 57 on the right side.

55

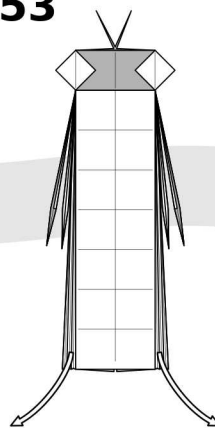


54



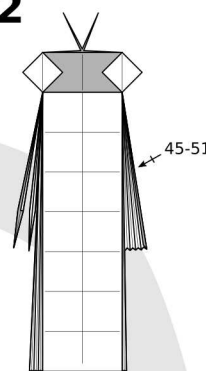
Fold the bottom part up at 90°. Wrap the sides around and back.

53



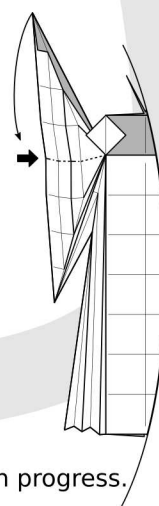
Partially open the sides.

52



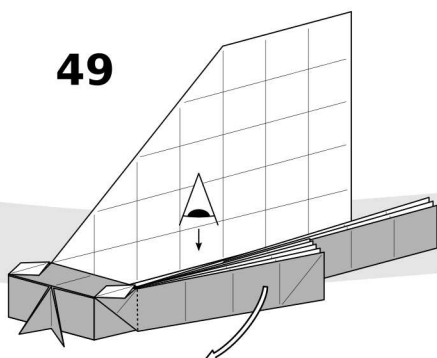
Repeat steps 45-51 on the other side.

51



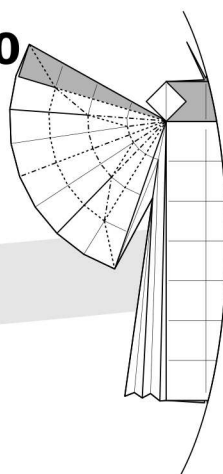
In progress.

49



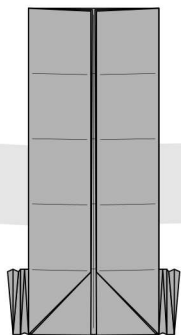
Open again. Next step will be viewed from the top.

50

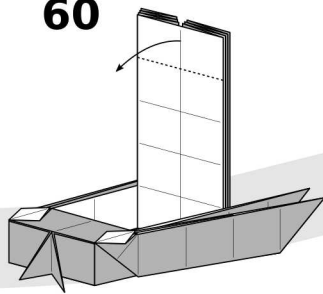


Perform an Elias stretch.

59

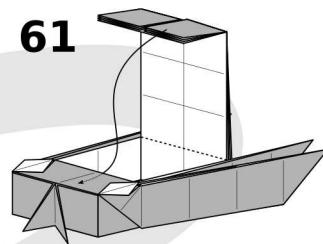


60



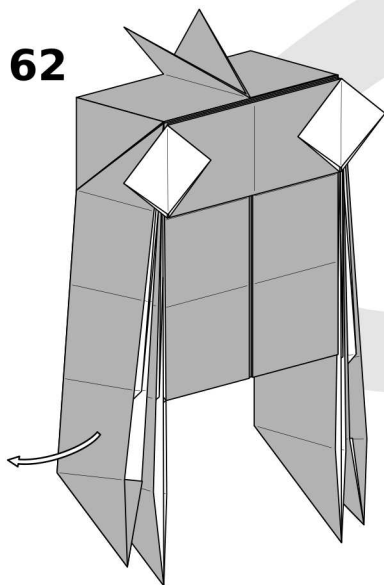
Fold at a right angle.

61



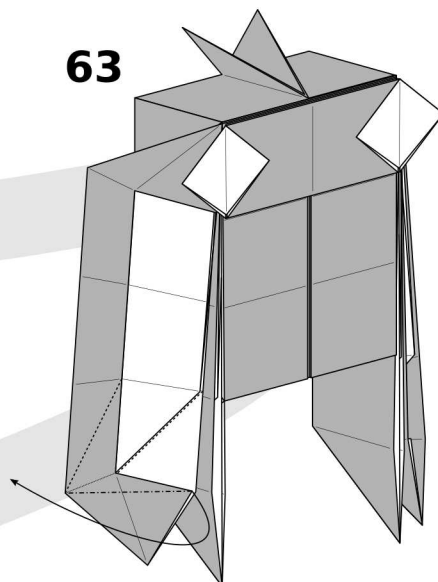
Close the belly by inserting the flap under the head.

62



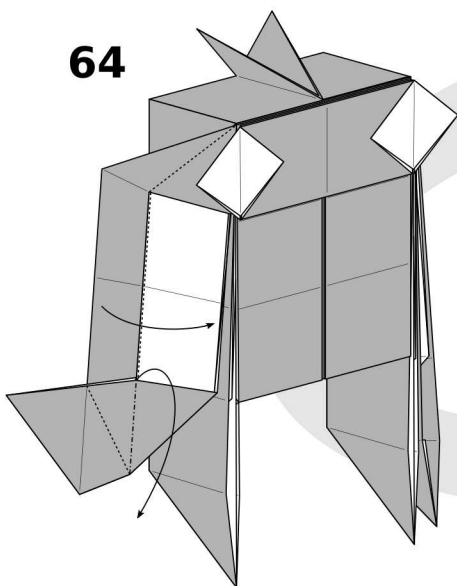
Open the arm.

63



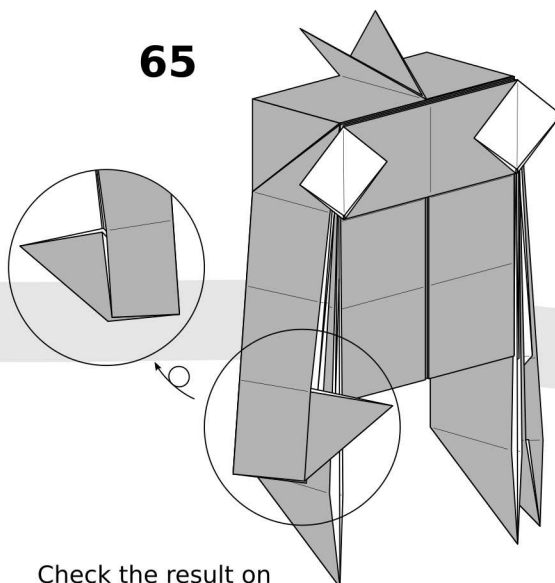
Fold the point to the left.

64



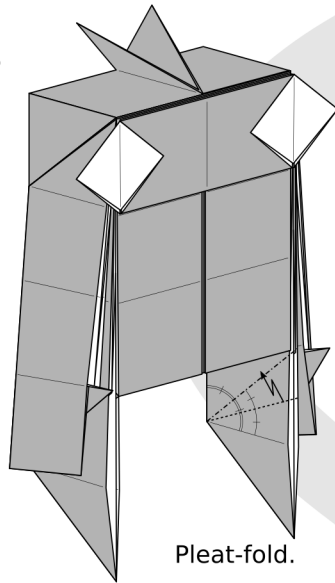
Close the arm back, while doing a reverse-fold on the bottom flap.

65

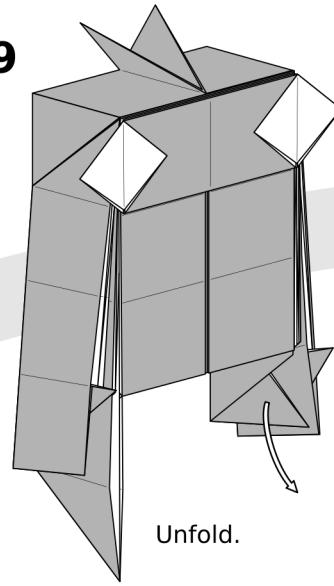


Check the result on the other side.

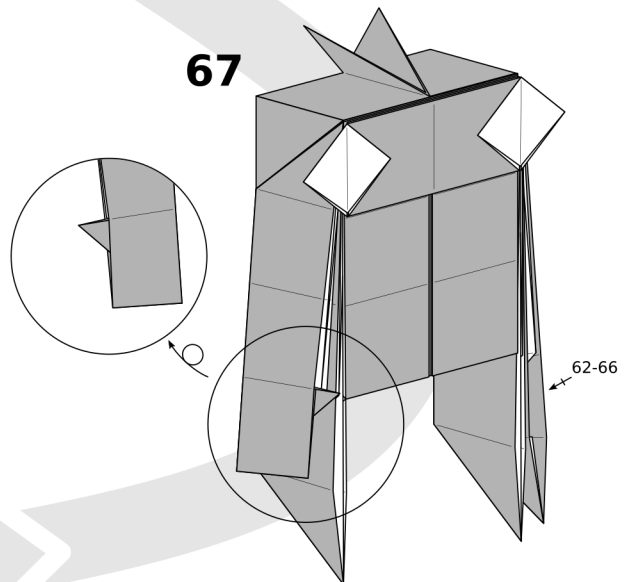
**68**



**69**

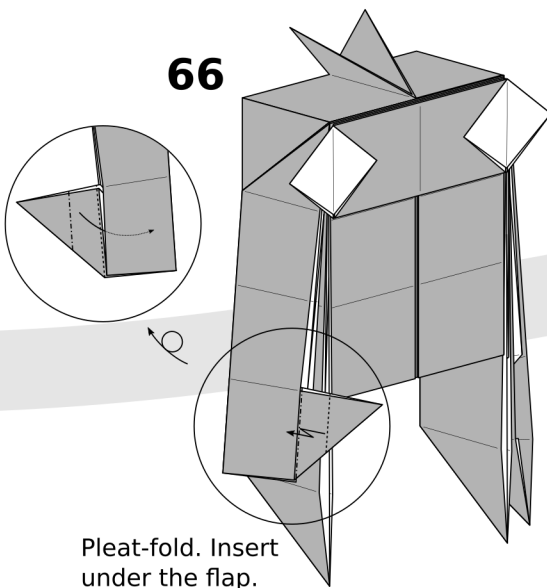


**67**



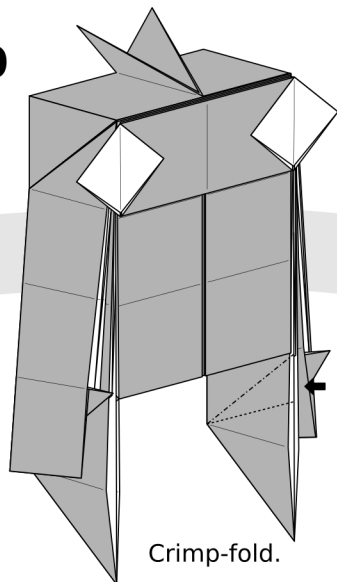
Repeat steps 62-66 on the other arm.

**66**



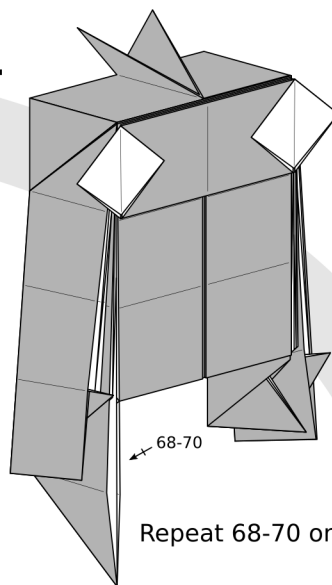


70



Crimp-fold.

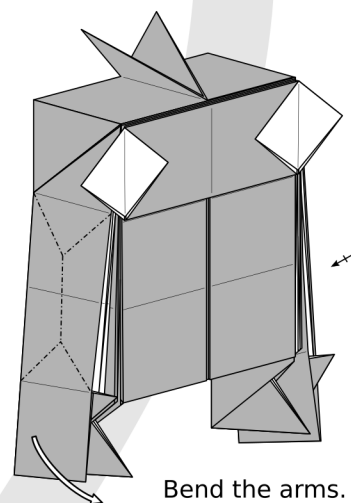
71



68-70

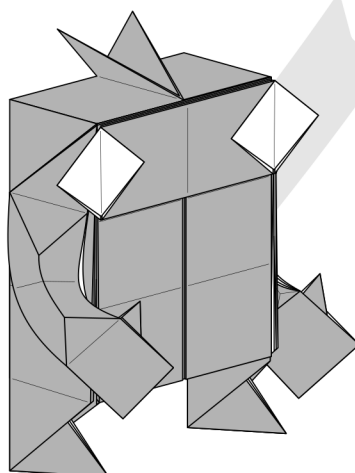
Repeat 68-70 on the other foot.

72

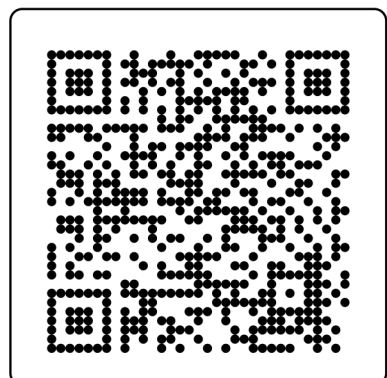
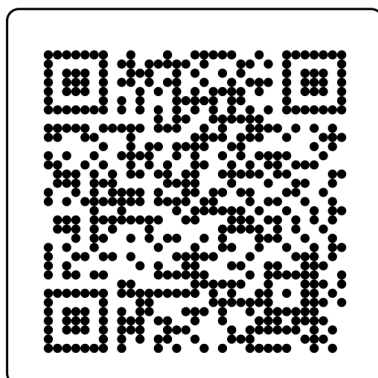
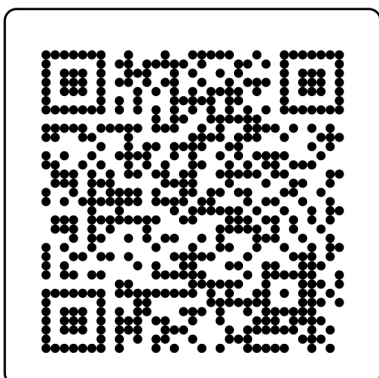


Bend the arms.

73



Done!



Feel free to print this QR code. Insert it in the back of the robot before setting it free. This way, anyone who'll find it will be able to reproduce it. The invasion is near!